

## Purchase Order Receipt Listing

Thursday, August 27, 2015 10:57:21 AM

Page 1 of 1

All amounts are calculated in domestic currency.

All Vendors	PO ID PO29524	Receipt Dates from 8/27/2015 to 8/27/2015	All Line Item Types
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All Item ID/GL/WOs	All Rec. Employees	All Currencies
1	1	1
2	2	2
3	3	3
4	4	4
5	5	5
6	6	6
7	7	7
8	8	8
9	9	9
10	10	10
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92	92	92
93	93	93
94	94	94
95	95	95
96	96	96
97	97	97
98	98	98
99	99	99
100	100	100

Grouped by Vendor ID

[illegible]



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

**PURCHASE ORDER**  
Purchase Order ID PO29524  
Purchase Order Date 8/19/2015  
PO Print Date 8/19/2015

Page Number 1 of 2

Order From :

VU-TWM001

Ship To : DART AEROSPACE LTD

TW METALS  
PO BOX 933014  
ALANTA, GA 31193-3014  
CANADA  
HAWKESBURY, ON K6A 1K7

FAKED

Contact Name  
Vendor Phone

585 768 5600

Ship To Contact

Ship To Phone

Ship Via:

YRC COLLECT

Ship Acct:

FCA - (Free Carrier)

FOB

Currency

USD

Terms

Net 30

Customer Tax #

10127-2607

Customer POID

Chantal Lavoie

Buyer

Line Reference  
Vendor Part Number

Line Comments  
Delivery Comments

Description/  
Mfg ID

Reg Date/  
Taxable CD

Reg Qty/  
Unit of Measure

PO Unit Price

Extended Price

2

M6061T6T0.625W.125

6061-T6 RD Tube 0.625

8/27/2015

48.00

\$5.15

\$247.20

Line Total:

\$258.00

MATERIAL: 6061-T6/T62/T6510/T6511 SEAMLESS TUBING  
AS PER WW-T-700/6 OR QQ-A-225/8 OR  
AMS 4080 OR AMS 4082 OR ASTM B210 OR  
ASTM B241

8/27/2015

f

120.00

\$2.15

\$258.00

Line Total:

\$247.20

MATERIAL: 6061-T6/T62/T6510/T6511 SEAMLESS TUBING  
AS PER WW-T-700/6 OR QQ-A-225/8 OR  
AMS 4080 OR AMS 4082 OR ASTM B210 OR  
ASTM B241

8/27/2015

Yes

f

15/08/26

8/19/2015

Note:



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

**PURCHASE ORDER**  
Purchase Order ID PO29524  
Purchase Order Date 8/19/2015  
PO Print Date 8/19/2015

Page Number 2 of 2

Order From :

VU-TWM001

Ship To : DART AEROSPACE LTD

TW METALS  
PO BOX 933014  
ALANTA, GA 31193-3014  
US  
1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

Contact Name  
Vendor Phone

585 768 5600

Ship To Contact

Ship To Phone

Ship Via:

YRC COLLECT

Ship Acct:

M6061T6T0.750W.125

6061-T6 RD Tube .750 x

.125W

8/27/2015

Yes

8/27/2015

MATERIAL: 6061-T6/T62/T6510/T6511 SEAMLESS TUBING

AMS 4080 OR AMS 4082 OR AMS 4083 OR ASTM B210 OR

ASTM B241

8/27/2015

No

8/27/2015

PROCUREMENT  
QUALITY CLAUSES

Procurement Quality Clauses

A005 right of entry

A012 chemical and physical test report

A016 personnel qualification

A017 raw material identification

A026 certification of material conformance

A041 quality management system

A042 dart notification by supplier

A043 retention of quality documents

Line Total: \$220.80

\$0.00

1.00  
8/27/2015

Line Total: \$0.00

PO Total: \$726.00

Note: Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit [www.dartaerospace.com](http://www.dartaerospace.com) for further explanation.

Change Nbr: 1

Change Date: 8/19/2015

Order Documentation:

- Packing List

- Material Test Report

Customer		DART AEROSPACE LTD
PO Number		PO29524
TW Order Number		60583533
Customer Number		1203820



Packing Slip

PAGE 1 FROM: CRAN ORDER NO.: 60583533

CUST NUMBER: 1203820 NET WGT: 19.218 REQ. DATE: 08/27/15 CONFIRMED

SOLD TO: DART AEROSPACE LTD  
1270 ABERDEEN ST  
HAWKSBURY ON  
CANADA  
SHIP TO: DART AEROSPACE LTD  
1270 ABERDEEN ST  
HAWKSBURY ON  
ONTARIO CANADA  
CN K6A 1K7

SALESPERSON: DONNA SMALLEY  
TERMS: NET 30 DAYS  
F.O.B.: SHIPPING POINT  
CUST ORD NO.: PO29524  
SHIP BY: 08/21/15  
COMMON CARRIER  
VIA: FREIGHT:  
RELEASE NO.:  
RECEIVING PHONE:

LINE ITEM DESCRIPTION 0001 42588 D6061-T6 5/8 OD X .125 WA  
LENGTH 12 FT ML

ORD QTY INVOICE QTY SHIPPED QTY WT PCS  
48.000 FT 48.000 FT 48.000 FT 11.082 4

\*\* 1 TEST REPORTS REQUIRED \*\*

\*\* 1 CERTS REQUIRED \*\*

ECN: EAR99

Export License: NLR

PC: 4

MLT:UNITED STATES

PO:49330211 HT:F001858850001

0002 41952 D6061-T6 3/8 OD X .058 WA

ORD QTY INVOICE QTY SHIPPED QTY WT PCS  
120.000 FT 120.000 FT 120.000 FT 8.136 10

\*\* 1 TEST REPORTS REQUIRED \*\*

\*\* 1 CERTS REQUIRED \*\*

ECN: EAR99

Export License: NLR

PC: 10

MLT:UNITED STATES

PO:49328613 HT:33718928

BROKERS KUEHNE AND NAGEL LTD

AREA TYPE OF PKG PKGS GRS WEIGHT WIDTH LENGTH HGT  
B CARTON 1.000 24.000 12.5000

1.000 24.000

BY: TW  
RT 000-

UNLOAD TYPE: NONE SPECIFIED

DATE SHIPPED

DATE FILLED

THANK YOU FOR THIS ORDER

TERMS AND CONDITIONS APPLICABLE TO THE SALE OF THESE  
PRODUCTS ARE SET FORTH ON OUR WEBSITE FOR YOUR CAREFUL  
REVIEW  
http://www.twmetals.com/invoice-terms.html

**KAISER  
ALUMINUM  
FABRICATED PRODUCTS**

KAISER ALUMINUM  
FABRICATED PRODUCTS, LLC  
6573 W. WILLIS ROAD  
CHANDLER, AZ 85226

*Best in Class*

**CERTIFIED TEST REPORT**  
<http://Online.KaiserAluminum.com>

**CERTIFICATION**  
Kaiser Aluminum Fabricated Products, LLC ('Kaiser') hereby certifies that metal shipped under this order has been inspected and tested and found in conformance with the applicable specifications forming a part of the description set forth in Kaiser's sales acknowledgement form. Any warranty is limited to that shown on Kaiser's general terms & conditions of sale. Test reports are on file subject to examination.

*Linda Adkins*  
Linda Adkins, Quality Manager

Art Onalits  
QA Manager

By:

**CERTIFIED TEST REPORT**

**A COMPANY OF MUELLER INDUSTRIES**


287 MISSAHIKON AVE.  
NORTH WALES PA 19454

Control No: 169157

PRECISION TUBE CO.



**PRECISION**  
**TUBE**

CUSTOMER PURCHASE ORDER NO.	CUST. ORD. NO.	PRECISION TUBE P/N
49328613 LINE 001	290075	24A037500580006
<b>SOLD:</b> TW METALS 235 TUBEWAY CAROL STREAM, IL 60188 UNITED STATES		
<b>SHIP:</b> TW METALS 235 TUBEWAY CAROL STREAM, IL 60188 UNITED STATES		
QUANTITY ORD.	DESCRIPTION	QTY. SHIPPED
5004 FT	METAL - 6061 ALUM TEMPER - T6 SPEC - AMS 4082P AMS-WW-T-700/6B ASTM-B-210-12 LENGTH - 12 FT LGTH TOL +.1250 IN -.0000 IN SHAPE - ROUND FINISH - STRAIGHT EXACT LENGTHS OD .3750 +.0030 -.0030 ID .0580 +.0040 -.0040 WALT	5040 FT 04/24/15
		

MECHANICAL PROPERTIES					
SAMPLE #	TENSILE (P.S.I.)	YIELD (P.S.I.)	ELONGATION IN 2 INCHES (%)	ROCKWELL HARDNESS	AVERAGE GRAIN SIZE (MM.)
1	45,281	40,465	15		

Comments: FAR BAA COMPLIES, DFARS BAA COMPLIES, FAR TAA COMPLIES

**NON-DESTRUCTIVE TESTS**

EDDY CURRENT: PASS

### CHEMICAL COMPOSITION

ALLOY:	6061	HEAT:	TRACEABILITY #:	33718928	RAW MAT'L	TRACER	PT48124 - Kaiser Aluminum
Si	0.40						
Fe	0.40						
Cu	0.15						
Mn							
Mg	0.80						
Cr	0.04						
Zn							
Ti							
Al							
Rem.							

We hereby certify that the material has been manufactured and tested in accordance with the requirements of the applicable specifications and descriptions set forth on Precision Tube's sales acknowledgment. During the manufacturing, testing and inspection, the product did not come into direct contact with mercury or any of its compounds, nor with any mercury containing device employing a single boundary containment. Test results indicate that the material is compliant with the current revision of the RoHS Directive (2011/65/EU).



Plant Serial: 00011865  
Kaiser Order Number: 318360  
Line Item: 001

MANUFACTURED IN USA MELTED IN USA  
MERCURY IS NOT A NORMAL BACKGROUND ELEMENT IN ALUMINUM ALLOYS. NEITHER MERCURY NOR ANY OF ITS COMPOUNDS ARE UTILIZED BY KAISER ALUMINUM IN THE MANUFACTURE OF THIS MATERIAL.

Miscellaneous Notes

ASTM-B241-12 NON-STENCILED ASTM-B221-13 ASTM-B345-11 AMS-QQ-A-200/8 97(R07) TYPE I  
UNS#A96061 Also conforms to EN 10204 3.1

Applicable Requirements:

Limits	Si	Fe	Cu	Mn	Mg	Cr	Zn	Pb	Bi	Zr	Ca	Tot
Maximum	0.80	0.70	0.40	0.15	1.20	0.35	0.25	0.15	NA	NA	0.05	.15
Minimum	0.40	0.00	0.15	0.00	0.80	0.04	0.00	0.00	NA	NA	0.00	.0
E74222	.58	.30	.25	.04	.98	.07	.04	.02	.00	.00	.01	.02

Chemical Composition (wt%), Aluminum Remainder

REFERENCE	DASH#	SAMPLE#	UTS (KSI)	YTS (KSI)	%elong in 2	HARDNESS	CONDUCT.	BEND
50751-288	0001	0002	19.2	8.6	22.0	NA N/A	NA N/A	NA N/A
50751-288	0001	0003	19.9	9.1	23.0	NA N/A	NA N/A	NA N/A
50751-288	0001	0004	19.9	8.9	22.1	NA N/A	NA N/A	NA N/A
50751-288	0001	0005	19.8	8.7	22.2	NA N/A	NA N/A	NA N/A
50751-288	0001	0006	19.2	8.3	22.4	NA N/A	NA N/A	NA N/A
50751-288	0001	0007	19.4	8.1	22.5	NA N/A	NA N/A	NA N/A
50751-288	0001	0008	19.3	7.5	21.7	NA N/A	NA N/A	NA N/A
50751-288	0001	0009	19.3	7.9	22.8	NA N/A	NA N/A	NA N/A
50751-288	0001	0010	19.0	7.5	21.5	NA N/A	NA N/A	NA N/A
50751-288	0001	0011	19.7	8.7	20.9	NA N/A	NA N/A	NA N/A
50751-288	0001	0001	18.6	7.6	22.2	NA N/A	NA N/A	NA N/A

Actual Physical Properties

CUSTOMER PO NUMBER:		PT48124		SHIP DATE:		KAISER LOT NUMBER:		ALLOY:		TEMPER:	
CUSTOMER PART NUMBER:		SPIRIT-371850		SHIP DATE:		KAISER LOT NUMBER:		ALLOY:		TEMPER:	
QUANTITY:		1925.000 PCS		B/L NUMBER:		DIA/DIA/THICKS:		WIDTH:		LENGTH:	
WEIGHT SHIPPED:		10601.000 LB		B/L NUMBER:		DIA/DIA/THICKS:		WIDTH:		LENGTH:	
SHIP TO:		PRECISION TUBE CO 287 WISSAHICKON AVENUE N. WALES, PA 19454 USA		SOLD TO:		MUELLER INDUSTRIES, INC PRECISION TUBE 8285 TOURNAMENT DRIVE STE. 150 MEMPHIS, TN 38125 USA		BY 3.10.15 CERT APPROVED			

KAISER ALUMINUM  
FABRICATED PRODUCTS, LLC  
2426 STEVENS DRIVE  
RICHLAND, WA 99352



CERTIFIED TEST REPORT  
<http://Online.KaiserAluminum.com>



**CERTIFIED TEST REPORT**  
<http://online.kaiseraluminum.com>

*Best in Class*

**KAISER**  
**ALUMINUM**  
**FABRICATED PRODUCTS**

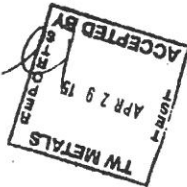
KAISER ALUMINUM  
FABRICATED PRODUCTS, LLC  
2426 STEVENS DRIVE  
RICHLAND, WA 99352

**CERTIFICATION**

Kaiser Aluminum Fabricated Products, LLC hereby certifies that metal shipped under this order has been inspected and tested in accordance with applicable specifications forming a part of the description set forth in Kaiser's sales acknowledgment form. Any warranty is limited to that shown on Kaiser's general terms and conditions of sale. Test reports are on file, subject to examination.

JOSEPH AMES, QUALITY MANAGER

*John*



Plant Serial: 00011865  
Kaiser Order Number: 318360  
Line Item: 001



© Neal High-Performance Metals Group



Packing Slip

ORDER NO.: 60583533 FROM: CRAN

PAGE 2

CUST NUMBER: 1203820 NET WGT: 19.218 REQ. DATE: 08/27/15 CONFIRMED SHIP TO:

DART AEROSPACE LTD  
1270 ABERDEEN ST  
HAWKESBURY ON

CN K6A 1K7

ONTARIO CANADA

CN K6A 1K7

SHIP BY: 08/21/15

27 ENGLEHARD DRIVE

MONROE TWP NJ 08831

SALSPERSON: DONNA SMALLEY

NET 30 DAYS

SHIPPING POINT

COMMON CARRIER

PREPAID

CUST ORD NO.:

VIA:

RELEASE NO.:

RECEIVING PHONE:

"TW Metals MSDS data is available on our web site at [www.twmetals.com](http://www.twmetals.com). MSDS & data can be found under the Technical Resources Tab, Product Statistics you may telephone 610-458-1300 and we will mail or fax a copy of our current MSDS data to your location."

# "CERTIFICATE OF CONFORMANCE"

"TW Metals certifies that the material supplied on this purchase order and contained in the heat/lot number referenced above has been manufactured, inspected, and tested in accordance with the material specification. These records are on file at TW Metals. Packaging material for shipments to Europe and China consists of manufactured wood products and complies with the European emergency measures for coniferous non-manufactured wood packing material"

**Electronically Generated Document-Valid Without Signature**

Date: 8/21/15

These commodities have been exported from the United States in accordance with the U.S. export control laws, export administration regulations. Diversion contrary to U.S. law prohibited.

**THANK YOU FOR THIS ORDER**

REVIEW.

TERMS AND CONDITIONS APPLICABLE TO THE SALE OF THESE PRODUCTS ARE SET FORTH ON OUR WEBSITE FOR YOUR CAREFUL

<http://www.twmetals.com/invoice-terms.html>

*Best in Class*

KAISER ALUMINUM  
 FABRICATED PRODUCTS, LLC  
 6573 W. WILLIS ROAD  
 CHANDLER, AZ 85226

CUSTOMER PO NUMBER:		M49330211-1		CUSTOMER PART NUMBER:		42588		PRODUCT DESCRIPTION:		Seamless Tube/Pipe	
KAISER ORDER NUMBER:		LINE ITEM:		SHIP DATE:		KAISER LOT NUMBER:		ALLOY:		TEMPER:	
218040		001		04/13/2015		F00185885		6061		T6	
WEIGHT SHIPPED:		QUANTITY:		B/L NUMBER:		DIA/DAF/THKNS:		WIDTH:		LENGTH:	
366,000 LB		132,000 PCS		218440						12,000 FT	
SHIP TO:											
TW METALS INC											
27 ENGLEHARD DRIVE											
EXIT 8A OFF NJ TPK											
MONROE TWP, NJ 08831 USA											
SOLD TO:											
TW METALS INC											
760 CONSTITUTION DRIVE											
SUITE 204											
EXTON, PA 19341 USA											

### Actual Physical Properties

REFERENCE	DASH#	SAMPLE#	UTS (KSI)	YTS (KSI)	ELONG%	HARDNESS	CON%IACS	BEND
F00185885	0001	1	45.9	44.0	16.0	N/A	N/A	N/A

### Chemical Composition (wt%), Aluminum Remainder

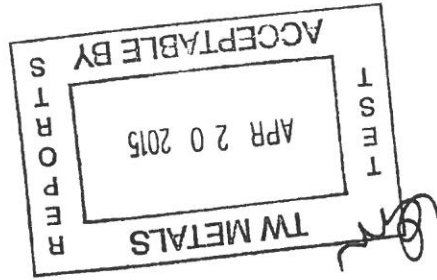
LIMITS	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Pb	Bi	Zr	Ea	Tot
Maximum	0.80	0.70	0.40	0.15	1.20	0.35	0.25	0.15	NA	NA	NA	0.05	0.15
Minimum	0.40	0.00	0.15	0.00	0.80	0.04	0.00	0.00	NA	NA	NA	0.00	0.00
D39623	.57	.26	.22	.04	1.01	.06	.01	.02	.00	.00	.00	.01	.02

### Applicable Requirements:

Description: OD: 0.6250"; Wall: 0.1250"; Round @  
 AMS-4082P AMS-WW-T-700/6B ASTM B210-12 WW-T-700/6F  
 WE TAKE EXCEPTION TO PARA. 5.2.1., Per AMS-4082P, WAS NOT OILED.  
 This Product Complies to FAR BAA, DEARS BAA, FAR TAA  
 COMPLIES TO DIN EN 10204 JAN 2005  
 No Weld Repair. Mercury Free.

### Miscellaneous Notes

MANUFACTURED IN USA MELTED IN USA  
 MATERIAL COMPLIES WITH FAR BAA (FAR 52.225-1, BUY AMERICAN ACT- SUPPLIES), DEARS BAA  
 (DEARS 252.225-7001 BUY AMERICAN ACT & BAL OF PAYMENTS PROG), AND FAR TAA (FAR 52.225-5  
 TRADE AGREEMENTS).





PACKING SLIP

ORDER NO.: 03344287 FROM: CINC PAGE 1

CUST NUMBER: 1203820 NET WGT: 6.926 REQ. DATE: 08/27/15 CONFIRMED

SOLD TO: DART AEROSPACE LTD 1270 ABERDEEN ST HAWKESBURY ON CANADA  
SALESPERSON: DONNA SMALLEY SHIP BY: 08/21/15 COMMON CARRIER PREPAID

TERMS: NET 30 DAYS  
F.O.B.: SHIPPING POINT  
CUST ORD NO.: PO29524 IT 3  
RECEIVING PHONE: RELEASE NO.:  
SHIP TO: DART AEROSPACE LTD 1270 ABERDEEN ST HAWKESBURY ON ONTARIO CANADA

LINE ITEM DESCRIPTION  
0001 42891 D6061-T6 3/4 OD X .125 WA

ORD QTY 24.000 FT INVOICE QTY 24.000 FT SHIPPED QTY 24.000 FT WT 6.926 PCS

\*\* 1 TEST REPORTS REQUIRED \*\*  
\*\* 1 CERTS REQUIRED \*\*

ECGN: FAR99 Export License: NLR  
PO:49304300 HT:19714262 PC: 2  
MFG:UNITED STATES  
SLB/CL:1000542011  
CUSTOMER QTY: 0/00/00  
Expiration Date: 0/00/00

BROKERS RUEHNE AND NAGEL LTD

AREA TYPE OF PKG DOCK TUBE WITH BOARD  
PKGS 1.000 GRS WEIGHT 45.000 WIDTH 7.0000 LENGTH 148.0000 HGHT 6  
PACK INFO

BY: TH RT 000- UNLOAD TYPE: NONE SPECIFIED

DATE SHIPPED

DATE FILLED

THANK YOU FOR THIS ORDER

TERMS AND CONDITIONS APPLICABLE TO THE SALE  
OF THESE PRODUCTS ARE SET FORTH ON THE  
REVERSE SIDE FOR YOUR CAREFUL REVIEW.



**PACKING SLIP**

ORDER NO.: 03344287 FROM: CINC PAGE 2

CUST NUMBER: 1203820 NET WGT: 6.926 REQ. DATE: 08/27/15 CONFIRMED

SOLD TO: DART AEROSPACE LTD  
1270 ABERDEEN ST  
HAWKESBURY ON  
CANADA  
SHIP TO: DART AEROSPACE LTD  
1270 ABERDEEN ST  
HAWKESBURY ON  
ONTARIO CANADA  
CN K6A 1K7

SALESPERSON: DONNA SMALLBY SHIP BY: 08/21/15

TERMS: NET 30 DAYS 7640 REINHOLD DR CINCINNATI OH 45237

VIA: COMMON CARRIER  
CUST ORD NO.: PO29524 IT 3

FREIGHT: PREPAID

RELEASE NO.:  
RECEIVING PHONE:

"TW Metals MSDS data is available on our web site at [www.twmetals.com](http://www.twmetals.com). MSDS & Data can be found under the Technical Resources Tab, Product Statistics & Data and the TW Metals MSDS's heading. If you do not have web site access you may telephone 610-458-1300 and we will mail or fax a copy of our current MSDS data to your location."

**"CERTIFICATE OF CONFORMANCE"**

"TW Metals certifies that the material supplied on this purchase order and contained in the heat/lot number referenced above has been manufactured, inspected, and tested in accordance with the material specification. These records are on file at TW Metals. Packaging material for shipments to Europe and China consists of manufactured wood products and complies with the European emergency measures for confireous non-manufactured wood packing material"

Authorized Test Report Clerk

Date: 8/21/15

These commodities have been exported from the United States in accordance with the U.S. export control laws, export administrations regulations. Diversion contrary to U.S. law prohibited.

**THANK YOU FOR THIS ORDER**

TERMS AND CONDITIONS APPLICABLE TO THE SALE  
OF THESE PRODUCTS ARE SET FORTH ON THE  
REVERSE SIDE FOR YOUR CAREFUL REVIEW.

# Certified Inspection Report

**ALCOA**  
Alcoa Forgings and Extrusions  
Lafayette Operations  
3131 East Main Street  
Lafayette, IN 47905-7500

Alcoa, Inc.

Invoice To Customer  
TW METALS INC  
THE ARBORETUM SUITE 204  
760 CONSTITUTION DR  
EXTON, PA - 19341

Ship To Customer  
TW METALS INC  
235 W. TUBEWAY  
CAROL STREAM, IL - 60188

Sales Order Number		Customer P/O		Cert Number	Page
1000542011	Line No. 2.1	49304300-001 / ITEM 42891		AEP1663581	1/2
				23-JAN-14	Cert Print Date 23-JAN-14

Quantity Shipped		Date Shipped	Item Description	
834	LB	23-JAN-14	Drawn Tube OD X WALL 0.750 OD x 0.125 WALL 174 IN LN	
B/L		Item No.	6061 / T6	
2131796			W/F 0.289	
Delivery ID		Item No. Rev	Mackling CONTINUOUS; Oiling NO	
9025671			AMS4082 REV P	
Customer Part No			AMS-WW-T-2006 REV B	
			ASTMB210 REV 12	
			CP49-7.4.2-005 REV 8	
			WW-T-2006 REV F, AM2, NOTI	
			AS9100 REV C	
			MMS1440 REV A	

## Notes

The material for this order was melted and manufactured in USA.  
COMPOSITION NOTE: The values for 'Others Each' and 'Others Total' have met the limits as shown on this certified inspection report. Remainder is Aluminum.

## Legal Statement

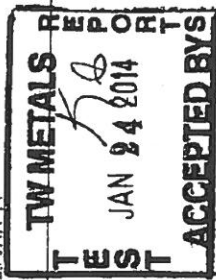
We hereby certify that, unless otherwise indicated, the material covered by this report has been manufactured, inspected, and tested in accordance with, and has been found to meet, the applicable requirements described herein, including any specifications forming a part of the description and that samples representative of the material met the composition and had the mechanical properties shown on the face of this certification. Also, note that mercury is not a normal contaminant in aluminum alloys and neither it nor any of its compounds are used in the manufacture of our product. This certification is not to be reproduced in partial form without prior written approval of our Quality Assurance Dept.

## Signature And Title

*Melissa Griffith*  
Melissa Griffith  
Quality Control Manager

DAS 14 140831  
---9-89

23-JAN-14



## Quantities per Lot / Packages

Package Number	Lot Number	Quantity	UOM	Gross Weight	Net Weight
G17-PKG646879	19714262	80	PCS	288	278
G17-PKG646880	19714262	80	PCS	288	278
G17-PKG646884	19714262	80	PCS	288	278

## Composition Limits

Alloy	Wt %	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti
6061	Min	0.40	---	0.15	---	0.8	0.04	---	---
	Max	0.8	0.7	0.40	0.15	1.2	0.35	0.25	0.15

## Others Total

Alloy	Wt %	Others Each
6061	Min	---
	Max	0.05
		0.15

## Composition Results

Heat / Cast / Lot Number	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti
7021-L2	0.6	0.21	0.24	0.05	0.9	0.06	0.06	0.02





**Alcoa Forgings and Extrusions**  
Lafayette Operations  
3131 East Main Street  
Lafayette, IN  
47905-7500

# Certified Inspection Report

Sales Order Number		Customer P/O	Cert Number AEP1663581	Page 2/2
1000542011	Line No. 2.1	49304300-001 / ITEM 42891	23-JAN-14	Cert Print Date 23-JAN-14

### Composition Results

Heat / Cast / Lot Number	Others Each	Others Total
7021-L2	--	--
		DAS

Mechanical Property - Test Results			14	9-89	1200021
Test Temper	Lot Number	Piece / Test ID	UTS - L	TYS - L	EL 4D-Long
		# of Tests	KSI	KSI	PCT
T6	19714262	1-F	Results 44.9	Results 41.0	Results 20.0

Other -

Test Type		Dimensional	
UOM			
# of Tests			
Test Temper	Lot Number	Mln	Max
T6	SPEC LIMITS	P	

**Other -**

TW METALS REPORT	
TEST	
JAN 24 2014	
Test Type	Dimensional
UOM	
# of Tests	
Lot Number	Results
19714262	P
Test Temper	
T6	

Cert Notes

ACCEPTED BYS

**Made in USA**

The test report shall not be reproduced except in full, without the written approval of the Quality Department. No alteration, addition or other change is authorized to be made to this certificate. The recording of false, fictitious, or otherwise fraudulent statements or entries on this certificate by any recipient may be punished as a felony under applicable law.

KO

O'Neal High-Performance Metals Group

Invoice# : 03344287  
Cust. PO# : P029524 IT 3  
Incoterms : SHIPPING POINT  
Frt. Terms : PREPAID  
Ship Via : COMMON CARRIER

COMMERCIAL INVOICE

7640 REINHOLD DR  
CINCINNATI  
TEL: 800-806-1757  
FAX: 5138213825

Freight Forwarder/Intermediate Ship To:

Sold To: DART AEROSPACE LTD  
1270 ABERDEEN ST  
HAWKESBURY ON  
CANADA  
CN K6A

contact: CHANTREL

16136321053

Invoice Date: 8/21/15

Ship Date: 8/21/15

Payment Terms: NET 30 DAYS

Ship To/Final Destination:

DART AEROSPACE LTD  
1270 ABERDEEN ST  
HAMKSBURY ON  
ONTARIO CANADA  
CN K6A 1K7

ITEM#/LINE#	DESCRIPTION	QUANTITY	UNIT	VALUE
42891	D6061-T6 3/4 OD X .125 WA	24.000	FT	\$ 9.2000
1	ALUMINUM TUBE ROUND	2.000	PC	
	PART NUMBER:			
	ECN: EAR99			
	SCHEDULE B: 7608.20.0030			
	ALUM PIPE/TUBE - SEAMLESS			
	NET WGT: 24.000 LBS			
	COUNTRY OF MFG: UNITED STATES			
	QUANTITY AND TYPE OF BOXES:			
	1 TUBE WITH BOARD			
	148.0000 X 7.0000 X 6.0000			
	TOTAL WGT: 24.000 LBS			
	GROSS WGT: 45.000 LBS			
	EXPORT LICENSE NUMBER: NLR			
	EXPIRATION DATE: 00/00/00			
	TW METALS, INC CERTIFIES THAT THE COUNTRY OR COUNTRIES OF MANUFACTURE INDICATED ABOVE IS TRUE AND CORRECT AS CONTAINED IN THE RECORDS OF TW METALS, INC.			
	THESE COMMODITIES HAVE BEEN EXPORTED FROM THE UNITED STATES IN ACCORDANCE WITH THE U.S. EXPORT CONTROL LAWS, EXPORT ADMINISTRATION REGULATIONS, DIVERSION CONTRARY TO U.S. LAW PROHIBITED			
	Sales Tax			
	Payable in US Dollars			
	SUBTOTAL			\$ 220.80





O'Neal High-Performance Metals Group

CERTIFICATE OF COMPLIANCE

7640 REINHOLD DR  
CINCINNATI OH 45237  
Tel: 800-806-1757  
FAX: 5138213825

Your Order Number: PO29524 IT 3

Our delivery receipt Number: 03344287

Date: 8/21/15

This is to certify that the material shipped against the above order on the above delivery receipt, consisting of:

Quantity:

24.000 FT

Grade:

D6061-T6 3/4 OD X .125 WA

Line Number:

1

Part #:

Heat Number:

19714262

DAS  
14  
9-89

15/08/31

Complies in all respects with the item description.

Specification:

BY:

Authorized Test Department Clerk



World High-Performance Metals Group

North American Free Trade Agreement  
CERTIFICATE OF ORIGIN

1. EXPORTER NAME AND ADDRESS : TW METALS-CINCINNATI 7640 REINHOLD DR CINCINNATI OH 45237 TAX IDENTIFICATION NUMBER : 250883470		2. BLANKET PERIOD : FROM : 01-Jan-15 DD MM YY TO : 31-Dec-15 DD MM YY				
3. PRODUCER NAME AND ADDRESS : AVAILABLE TO CUSTOMS UPON REQUEST		4. IMPORTER NAME AND ADDRESS : DART AEROSPACE LTD 1270 ABERDEEN ST HAWKSBURY ON ONTARIO CANADA CN K6A 1K7 CANADA TAX IDENTIFICATION NUMBER :				
5. DESCRIPTION OF GOOD(S)		6. H.S. TARIFF CLASSIFICATION NUMBER 7608.20.0030	7. PREFERENCE CRITERION B	8. PRODUCER NO (2)	9. NET COST NO	10. COUNTRY OF ORIGIN US
ALUMINUM TUBE ROUND						
I CERTIFY THAT: THE INFORMATION ON THIS DOCUMENT IS TRUE AND I ASSUME THE RESPONSIBILITY FOR PROVIDING SUCH REPRESENTATIONS. I UNDERSTAND THAT I AM LIABLE FOR ANY FALSE STATEMENTS OR MATERIAL OMISSIONS MADE ON OR IN CONNECTION WITH THIS DOCUMENT; I AGREE TO MAINTAIN AND PRESENT UPON REQUEST, DOCUMENTATION NECESSARY TO SUPPORT CERTIFICATE, AND TO INFORM, IN WRITING, ALL PERSONS TO WHOM THE CERTIFICATE WAS GIVEN, OF ANY CHANGES THAT COULD AFFECT THE ACCURACY AND VALIDITY OF THIS CERTIFICATE. THE GOODS ORIGINATED IN ONE OR MORE OF THE PARTIES, AND COMPLY WITH THE REQUIREMENTS SPECIFIED FOR THOSE GOODS IN THE NORTH AMERICAN FREE TRADE AGREEMENT, AND UNLESS SPECIFICALLY EXEMPT IN ARTICLE 411 OR ANNEX 401, THERE HAS BEEN NO FURTHER PRODUCTION OR ANY OTHER OPERATION OUTSIDE THE TERRITORIES OF THE PARTIES; AND THIS CERTIFICATE CONSISTS OF PAGES, INCLUDING ATTACHMENTS.						
11. AUTHORIZED SIGNATURE :		COMPANY : TW METALS				
NAME (PRINT OR TYPE) : BRANDI DRISCOLL		TITLE : EXPORT DEPARTMENT				
DATE : 21-Aug-15 DD MM YY		TELEPHONE : 800-806-1757				

Page 2 of 9

DUNS 00-690-2977



X

# MATERIAL RECEIPT INSPECTION FORM

PO / BATCH NO.: 29524/H133044

THICKNESS ORDERED: RD TUBE .750X.125W  
 THICKNESS RECEIVED: .750X.125W  
 SHEET SIZE ORDERED:  
 SHEET SIZE RECEIVED:

MATERIAL: M6061T6  
 DATE: 15/08/31

MATERIAL CERT REC'D: 480  
 QUANTITY RECEIVED: 24'  
 QUANTITY INSPECTED: 24'  
 QUANTITY REJECTED:

DESCRIPTION	NCR (Check Y/N)	COMMENTS
-------------	-----------------	----------

SURFACE DAMAGE	Y	
CORRECT FINISH	Y	
CORROSION	Y	
CORRECT GRAIN DIRECTION	Y	
CORRECT MATERIAL	Y	
CORRECT THICKNESS	Y	
PHOTO REQUIRED	Y	
CORRECT MATERIAL	Y	
CORRECT REF # TO LINK CERT	Y	
CORRECT MATERIAL IDENTIFICATION	Y	
CORRECT M# ON THE MATERIAL	Y	
DOES THIS MATERIAL REQUIRE	Y	
ENGINEERING SIGN OFF	Y	
DOES THIS REQUIRE AN	Y	
EXTRUSION REPORT	Y	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK.				
RECORD RESULTS BELOW				
TYPE OF MATERIAL	HRC	HRB	DUR A	DUR D
SIZE OF TEST SAMPLE				
HARDNESS / DUROMETER READING				

Testers located in the Quality Office

**QC 18 INSPECTION**

ENGINEERING SIGNOFF (if required)

INSPECTED BY: 14  
 DATE: 15/08/31

SIGNED OFF BY: \_\_\_\_\_  
 DATE: \_\_\_\_\_

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in